

placing the substrate in an etching chamber;

providing an etchant gas comprising NH₃ into the etching chamber with a flow rate from about 300 sccm to about 800 sccm;

generating a plasma from the NH₃, which etches the organic dielectric layer; and

maintaining the substrate at a temperature between about 10° C to about 40° C during the etching of the organic dielectric layer.

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25. (Previously Presented) The method, as recited in claim 1, further comprising providing a bias power of between about 0 W and 100 W during etching of the organic dielectric layer.

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26. (Previously Presented) The method, as recited in claim 13, further comprising providing a bias power of between about 0 W and 100 W during etching of the organic low-k dielectric layer.

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27. (Previously Presented) The method, as recited in claim 13, further comprising:

placing an etch stop layer over the organic low-k dielectric layer;

placing a second organic low-k dielectric layer over the etch stop layer, wherein the second organic low-k dielectric layer is between the organic low-k dielectric layer and the hardmask.

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28. (Previously Presented) The method, as recited in claim 27, further comprising etching the second organic low-k dielectric layer with a first etch, wherein the first etch provides a bias power of between about 250 W to about 2500 W before selectively etching the organic low-k dielectric layer.